



Microgram

Bulletin

Published by:
The Drug Enforcement Administration
Office of Forensic Sciences
Washington, DC 20537

The U.S. Attorney General has determined that the publication of this periodical is necessary in the transaction of the public business required by the Department of Justice. Information, instruction, and disclaimers are published in the January issues.

- NOVEMBER 2010 -

SELECTED REFERENCES

[The Selected References section is a compilation of recent publications of presumed interest to forensic chemists. Unless otherwise stated, all listed citations are published in English. Abbreviated mailing address information duplicates that which is provided by the abstracting service. Patents and Proceedings are reported only by their *Chemical Abstracts* citation number.]

1. Booth AL, Wooller MJ, Howe T, Haubenstock N. **Tracing geographic and temporal trafficking patterns for marijuana in Alaska using stable isotopes (C, N, O and H).** *Forensic Science International* 2010;202(1-3):45-53. [Editor's Notes: Presents title study. Contact: Alaska Stable Isotope Facility, Water and Environmental Research Center, University of Alaska Fairbanks, Fairbanks, AK 99775, USA.]
2. Brandt SD, Martins CPB. **Analytical methods for psychoactive N,N-dialkylated tryptamines.** *Trends in Analytical Chemistry* 2010;29(8):858-869. [Editor's Notes: This review provides an overview of analytical methodologies published in recent years on detection and characterization of 40 N,N-dialkylated derivatives. The majority of literature available utilized reversed-phase high-performance liquid chromatography, gas chromatography, and/or capillary electrophoresis. Derivatization was not normally required for sufficient separation and detection. Bioanalytical applications and characterization of natural products have not been included due to space limitations.]

Contact: School of Pharmacy and Biomolecular Sciences, Liverpool John Moores University, Liverpool L3 3AF, UK.]

Additional References of Possible Interest:

1. Fakhari AR, Nojavan S, Ebrahimi SN, Evenhuis CJ. **Optimized ultrasound-assisted extraction procedure for the analysis of opium alkaloids in papaver plants by cyclodextrin-modified capillary electrophoresis.** *Journal of Separation Science* 2010;33(14):2153-2159. [Editor's Notes: Presents title study. Contact: Department of Chemistry, Faculty of Sciences, Shahid Beheshti University, Evin, Tehran, Iran.]
2. Garry M. **Infrared analysis for the busy crime laboratory - getting the most out of illicit drug analysis using FT-IR and GC-MS.** *Spectroscopy* 2010;(Suppl.):20-21. [Editor's Notes: Presents title study. Contact: Thermo Fisher Scientific, Madison, WI, USA.]
3. Knight G, Hansen S, Connor M, Poulsen H, McGovern C, Stacey J. **The results of an experimental indoor hydroponic Cannabis growing study, using the Screen of Green' (ScrOG) method-yield, tetrahydrocannabinol (THC) and DNA analysis.** *Forensic Science International* 2010;202(1-3):36-44. [Editor's Notes: Presents title study. Contact: Institute of Environmental Science and Research Limited (ESR Ltd), Kenepuru Science Centre, 34 Kenepuru Drive, Porirua, N. Z.]

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THE JOURNAL/TEXTBOOK COLLECTION EXCHANGE

The Journal/Textbook Collection Exchange is a service intended to facilitate the transfer of unwanted journals and textbooks to forensic libraries or other *Microgram* subscribers. The current donations are listed below. The offers are First Come/First Serve (except **libraries have preference**). There are no charges to the requestor. Please provide a full mailing address in the request. **Important!:** Do not provide an address that irradiates mail!

Journal of Forensic Sciences:

1991: March (#2)
1992: January (#1), March (#2), July (#4), September (#5), November (#6)
1993: January (#1), March (#2), May (#3), July (#4), September (#5)
1998: September (#5)
2000: January (#1), March (#2), May (#3), July (#4), September (#5)
2001: Complete set
2002: Complete set

Journal of Forensic Sciences:

2003: Complete set
2004: Complete set
2005: Complete set
2006: Complete set
2007: January (#1), March (#2), November (#6)

Forensic Science Review:

1999: December (#2)

2000: January (#1-2)

2006: January (#1), July (#2)

All subscribers are encouraged to donate surplus or unwanted items/collections. Reference texts and long runs of forensic/analytical journals are of particular interest; however, even single issues are worthwhile, and may fill a hole in an existing collection. If interested, please consult the *Microgram* website or contact the *Microgram* Editor for further instructions.

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THE DEA FY 2011 STATE AND LOCAL FORENSIC CHEMISTS SEMINAR SCHEDULE

The FY 2011 schedule for the State and Local Forensic Chemists Seminar is as follows:

March 7-11, 2011

June 6-10, 2011

September 12-16, 2011

The school is open only to forensic chemists working for law enforcement agencies. It is intended for chemists who have completed their agency's internal training program and have also been working on the bench for at least one year. There is no tuition charge. The course is held at the Hyatt Place Dulles North Hotel in Sterling, Virginia (near the Washington/Dulles International Airport). A copy of the application form is reproduced on the last page of this issue of *Microgram Bulletin*. Completed applications should be mailed to the Special Testing and Research Laboratory (Attention: J. Head) at 22624 Dulles Summit Court, Dulles, VA 20166. For additional information, call (703) 668-3349.

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SCIENTIFIC MEETINGS

Title: American Academy of Forensic Sciences 2011 Annual Meeting

Sponsoring Organization: American Academy of Forensic Sciences

Inclusive Dates: February 21-26, 2011

Location: Hyatt Regency (Chicago, IL)

Contact Information: See website

Website: www.aafs.org

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DEA State and Local Forensic Chemist Seminar Application			
Name: (PRINT NAME EXACTLY AS IT IS TO APPEAR ON CERTIFICATE)		Title:	
Employer:			
Your Office Mailing Address (include city, state, and zipcode):			Length of Service:
Business Telephone: () -	Business Fax: () -	Date of Application:	
Email Address:			
Education			
College or University	Degree	Major	
Please Check Which Techniques or Equipment Are Used in Your Laboratory			
<input type="checkbox"/>	Color Tests	<input type="checkbox"/>	UV
<input type="checkbox"/>	Column Chromatography	<input type="checkbox"/>	IR
<input type="checkbox"/>	Microcrystal Tests	<input type="checkbox"/>	CE
<input type="checkbox"/>	Thin Layer Chromatography	<input type="checkbox"/>	GC/MS
<input type="checkbox"/>	GC	<input type="checkbox"/>	IR
<input type="checkbox"/>	HPLC	<input type="checkbox"/>	Other (please specify)
Indicate Analytical Problem(s) Nominee Would Like to Have Covered:			
Choice of Seminar Dates:			
1st Choice:		2nd Choice:	
Laboratory Chief/Director:			
Printed Name: _____		Signature: _____	
Title: _____		Date: _____	
Phone: _____			